

CORRES. CONTROL

LTR. NO.

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**Rocky Mountain  
Remediation Services, L.L.C.**  
... protecting the environment

its Environmental Technology Site

464

Colorado 80402-0464

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Originator Ltr Log #

**WRS-025-97**

97 - RF -

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December 18, 1997

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## PLAN FOR CONTROL OF FUGITIVE PARTICULATE EMISSIONS FOR THE TRENCH 1 SOURCE REMOVAL PROJECT - WRS-025-97

The purpose of this correspondence is to describe measures that will be taken to control fugitive dust emissions associated with soil handling activities conducted during the Trench 1 Source Removal Project. The primary objective of this plan is to comply with Colorado Air Quality Control Commission Regulation No. 1.

The Trench 1 Source Removal Project will involve site preparation, excavation, waste handling, and reclamation activities. Each of these activities are discussed below along with a description of the controls that will be employed to mitigate the generation of dust.

### Site Preparation

Several field activities will be completed to prepare the site for remediation of Trench 1. These include:

- Minor grading and placement of clean fill/aggregate at the work site.
- Installation of a temporary weather shelter over Trench 1 and the adjacent soil stockpile area.
- Modification of electric utilities to provide power at the site.
- Installation of a temporary fence around the perimeter of the work site.
- Relocation of the existing Mound Site top soil stockpile (uncontaminated soil).
- Installation of a drainage culvert.
- Removal of the existing security bunker adjacent to the north boundary of the IHSS.

#### CLASSIFICATION:

UCNI		
UNCLASSIFIED		
CONFIDENTIAL		
SECRET		

AUTHORIZED CLASSIFIER

SIGNATURE:

Date: **12-18-97**

IN REPLY TO RF CC NO.:

ACTION ITEM STATUS:

☐ PARTIAL/OPEN☐ CLOSED

LTR APPROVALS:

ORIG. &amp; TYPIST INITIALS:

RF-40402 (Rev. 1/97)

**ADMIN RECORD**

1108-A-00010

000010

All site preparation work will be conducted outside of the Trench 1 Individual Hazardous Substance Site (IHSS) boundary. Water sprays will be used as necessary during Site Preparation field activities to minimize the suspension of particulates. The use of wetting controls during all phases of the project will be documented in the project field logbook. All site preparation tasks will be completed prior to the commencement of trench excavation which is currently scheduled to begin on April 1, 1998.

### **Excavation and Waste Handling**

The primary Trench 1 excavation and waste handling activities will be:

- Excavation of soil, drums, and debris from the trench.
- Segregation of contaminated and uncontaminated soils.
- Stockpiling of uncontaminated soils.
- Sampling and inerting of depleted uranium wastes.
- Packaging of depleted uranium wastes, contaminated soils, and other wastes (i.e., personal protective equipment, debris, etc.) for offsite shipment.
- Backfilling the excavated trench with uncontaminated stockpiled soils and clean fill material.

As required by the Proposed Action Memorandum for the project, depleted uranium and soils contaminated above Rocky Flats Cleanup Agreement (RFCA) Action Levels for radionuclides and volatile organic compounds will be removed from the trench, segregated, sampled, and packaged for offsite treatment and/or disposal as appropriate. Soils removed from the trench that are believed to be below RFCA Action Levels will be temporarily placed in a stockpile area located adjacent to the northeast corner of the IHSS. As indicated above, the weather shelter will extend over the excavation and soil stockpile area. Once the excavation is completed and verified clean, stockpiled soils determined by laboratory analysis to be below RFCA Action Levels will be placed back into the excavation.

Trench excavation will be performed with an hydraulic excavator. Drums, debris, and waste containers will be moved within the weather shelter using a forklift. Uncontaminated soils will be moved to and from the stockpile with a front end loader.

All excavation, soil stockpiling, waste handling, and waste packaging activities will be conducted under the temporary weather shelter mentioned above. The shelter will serve to inhibit wind-blown dispersion of particulates and storm water intrusion into the excavation. Water sprays will also be used during excavation, soil and waste handling, and backfilling operations as necessary to minimize the suspension of particulates.

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### **Site Reclamation**

In addition to backfilling the stockpiled soils into the trench excavation, a small volume of clean fill will be transported to the site to completely fill the excavation to grade level. Clean topsoil will also be placed over the backfilled trench and surrounding work area and appropriately seeded to revegetate the area. Water sprays will be used as necessary during reclamation field activities to minimize the suspension of particulates.

If you require additional information regarding the planned Trench 1 field activities and/or dust mitigation measures described above, I can be contacted at extension 5790.

A handwritten signature in black ink, appearing to read "Wayne R. Sproles", written over the printed name.

Wayne R. Sproles  
Project Manager

RC/aw

cc:  
Janelle Jeanperrin, T130C